

AMENDMENT UNDER 37 C.F.R. § 1.111

Application No.: 10/798,359

Attorney Docket No.: Q80302

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. - 9. (Canceled).

10. (Currently Amended) A duplex pipe and a joint for the duplex pipe, the duplex pipe including an outer pipe for passing a first fluid, an inner pipe disposed inside of the outer pipe, the inner pipe for passing a second fluid, and a rib for connecting the outer pipe with the inner pipe, wherein the inner pipe extends beyond the outer pipe to expose a portion of the inner pipe, the joint comprising:

a main body ~~formed in a block shape~~, the main body disposed at an end portion of the outer pipe to cover the exposed portion of the inner pipe, the main body forming a first passage for passing the first fluid flowing inside the outer pipe; the first passage having a first receiving end proximal to the outer pipe and the main body defining a first opening at a distal end of the first passage with respect to the outer pipe, the first opening for supplying the first fluid from the passage to a first conduit, the main body also forming a second passage, the second passage having a second receiving end proximal to the inner pipe and a second opening at a distal end of the second passage with respect to the inner pipe, the second opening for supplying the second fluid from the inner pipe to a second conduit;

wherein the first opening and the second opening are displaced from one another in a longitudinal direction of the duplex pipe;

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wherein the exposed portion of the inner pipe crosses the first passage; and

wherein the outer pipe, the inner pipe and the ribs of the duplex pipe are formed as one body by at least one of an extruding process and a drawing process.

11. (Currently Amended) A duplex pipe and a joint for the duplex pipe, the duplex pipe including an outer pipe for passing a first fluid, an inner pipe disposed inside of the outer pipe, the inner pipe for passing a second fluid, and a rib for connecting the outer pipe with the inner pipe, wherein the inner pipe extends beyond the outer pipe to expose a portion of the inner pipe, the joint comprising:

a main body ~~formed in a block shape~~, the main body defining a first passage for passing the first fluid and a second passage for passing the second fluid, ~~the main body defining a first opening for communicating the first passage with a first conduit guiding the first fluid, a second opening for communicating the second passage with a second conduit guiding the second fluid;~~

a first connecting portion at an end of the first passage proximal to the outer pipe and connecting an end of the outer pipe with the first passage;

a second connecting portion at an end of the second passage proximal to the inner pipe and connecting an end of the inner pipe with the second passage, the second connecting portion defining a concave portion;

a first opening at an end of the first passage distal from the outer pipe;

a second opening at an end of the second passage distal from the outer pipe;

a stopper for engaging the end of the outer pipe or the end of the inner pipe with the first connecting portion or the second connecting portion, respectively;

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a brazing material brazed in the concave portion of the second connecting portion, the brazing material for brazing the end of the inner pipe to the second connecting portion; and

wherein the first opening and the second opening are formed in a side of the main body and are displaced from one another in a longitudinal direction of the duplex pipe;

wherein the outer pipe, the inner pipe and the ribs of the duplex pipe are formed as one body by at least one of an extruding process and a drawing process.

12. (Previously Presented) The joint and duplex pipe according to claim 11, wherein the concave portion has a tapered cross section.

13. (Previously Presented) The joint and duplex pipe according to claim 11, wherein the main body portion is positioned such that a release mouth of the concave portion is turned upward when the end of the inner pipe is brazed to the second connecting portion to temporarily support the brazing material and store the brazing material fused therein.

14. (Withdrawn and Previously Presented) The joint and duplex pipe according to claim 11, wherein the main body comprises a first wall defining a blind hole in the first passage and a second wall continuing to the first wall and defining a through hole communicating with the blind hole;

wherein the first connecting portion is formed at the through hole; and

wherein a blind plug is attached to a release end of the blind hole to close the release end.

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15. (Previously Presented) The joint and duplex pipe according to claim 11, wherein the main body comprises a first wall defining a blind hole in the first passage; and the first connecting portion is formed at a release end of the blind hole.

16-25. (Canceled).

26. (Previously Presented) The joint and duplex pipe according to claim 10, wherein the exposed portion of the inner pipe is substantially straight.

27. (Previously Presented) The joint and duplex pipe according to claim 11, wherein the exposed portion of the inner pipe extends through the first passage.

28. (Previously Presented) The joint and duplex pipe according to claim 10, wherein the first opening and the second opening are defined in one and the same side surface of the main body independently from each other.

29. (Previously Presented) The joint and duplex pipe according to claim 11, wherein: the concave portion is located outside the inner pipe, and the concave portion opens toward the first passage.

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30. (Previously Presented) The joint and duplex pipe according to claim 11, wherein the first opening and the second opening are defined in one and the same side surface of the main body independently from each other.

31. (New) The joint and duplex pipe according to claim 10, wherein the main body is block-shaped.

32. (New) The joint and duplex pipe according to claim 11, wherein the main body is block-shaped.